



Lewis Research Center

NGST

Delta III (3-stage)

- **Performance**

- Escape ($C3 = 0 \text{ km}^2/\text{sec}^2$): 2700 kg
- 1 AU x 3 AU ($C3 = 45 \text{ km}^2/\text{sec}^2$): 1250 kg
- 1 AU x 5 AU ($C3 = 77 \text{ km}^2/\text{sec}^2$): < 750 kg

- **Fairing/Payload Envelope**

- 4.0 m composite fairing
- Envelope maximum cylindrical diameter: 3.75 m
- Envelope overall length: 6.91 m
- Envelope cylindrical section length: 2.39 m

- **Fairing Growth Plans**

- 5 m class fairings are being considered

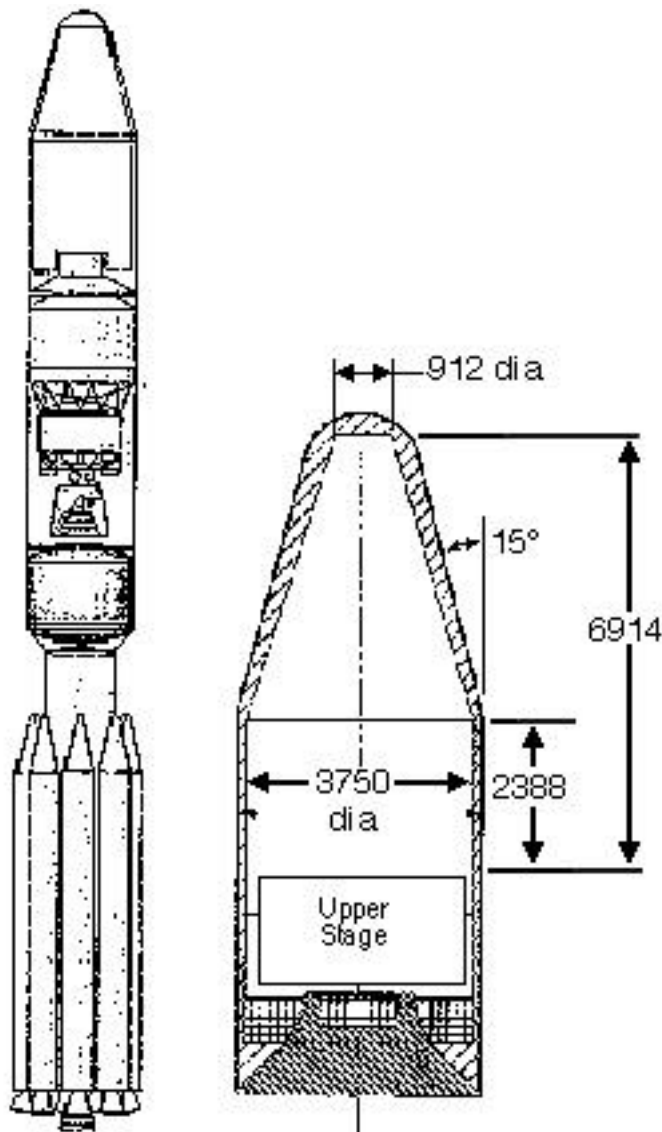
- **Launch Availability**

- CCAFS: LC-17B
- VAFB being considered
- Initial Launch: May 1998 (2-stage version)
- Would likely be replaced by EELV if McDonnell Douglas/Boeing develops EELV

- **Basic Launch Service Cost**

- TBD

<http://www.mdc.com/version2/space/delta3.htm>



Launch Services & Transportation Projects Office